

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A resin ~~cushion~~ molded article having a ~~spring~~cushion structure, comprising a three-dimensional structure with voids at a predetermined bulk density, said three-dimensional structure being formed by contacting, entwining, and gathering adjacent ones of random loops or curls of solid and/or hollow continuous filaments and/or short filaments made from a mixture of a polyolefin resin and vinyl acetate resin, ethylene vinyl acetate copolymer or styrene butadiene styrene, wherein said three-dimensional structure is increased in bulk density across its width, at predetermined intervals in a direction of its length and wherein said article has a uniform thickness.
2. (Currently Amended) The resin molded article according to claim 1, wherein said three-dimensional structure has voids ~~providing low and high densities~~ high density portions and low density portions.
3. (Previously Presented) The resin molded article according to claim 1, a mixture ratio of said polyolefin resin to said vinyl acetate resin or said ethylene vinyl acetate copolymer is 70 to 97 wt% to 3 to 30 wt%.
4. (Previously Presented) The resin molded article according to claim 2, a mixture ratio of said polyolefin resin to said vinyl acetate resin or said ethylene vinyl acetate copolymer is 70 to 97 wt% to 3 to 30 wt%.

5. (Previously Presented) The resin molded article according to claim 1, a mixture ratio of said polyolefin resin to said vinyl acetate resin or said ethylene vinyl acetate copolymer is 80 to 90 wt% to 10 to 20wt%.
6. (Previously Presented) The resin molded article according to claim 2, a mixture ratio of said polyolefin resin to said vinyl acetate resin or said ethylene vinyl acetate copolymer is 80 to 90 wt% to 10 to 20 wt%.
7. (Previously Presented) The resin molded article according to claim 1, wherein a mixture ratio of said polyolefin resin to said styrene butadiene styrene is 50 to 97 wt% to 3 to 50 wt%.
8. (Previously Presented) The resin molded article according to claim 2, wherein a mixture ratio of said polyolefin resin to said styrene butadiene styrene is 50 to 97wt% to 3 to 50 wt%.
9. (Cancelled)
10. (Previously Presented) The resin molded article according to claim 1, wherein a mixture ratio of said polyolefin resin to said styrene butadiene styrene is 70 to 90 wt% to 10 to 30 wt%.
11. (Previously Presented) The resin molded article according to claim 2, wherein a mixture ratio of said polyolefin resin to said styrene butadiene styrene is 70 to 90 wt% to 10 to 30wt%.

12. (Cancelled)

13 (Previously Presented) The resin molded article according to claim 1, wherein said solid continuous filaments and/or short filaments have a diameter of 0.3 mm to 3.0 mm, and said hollow continuous filaments have a diameter of 1.0 mm to 3.0 mm.

14. (Previously Presented) The resin molded article according to claim 2, wherein said solid continuous filaments and/or short filaments have a diameter of 0.3 mm to 3.0 mm, and said hollow continuous filaments have a diameter of 1.0 mm to 3.0 mm.

15. (Previously Presented) The resin molded article according to claim 1, wherein said solid continuous filaments and/or short filaments have a diameter of 0.7 mm to 1.0 mm, and said hollow continuous filaments have a diameter of 1.5 mm to 2.0 mm.

16. (Previously Presented) The resin molded article according to claim 2, wherein said solid continuous filaments and/or short filaments have a diameter of 0.7 mm to 1.0 mm, and said hollow continuous filaments have a diameter of 1.5 to 2.0 mm.

17. (Original) The resin molded article according to claim 1, wherein said three-dimensional structure has a bulk density of 0.001 to 0.08 g/cm³.

18. (Original) The resin molded article according to claim 2, wherein said three-dimensional structure has a bulk density of 0.001 to 0.08 g/cm³.

19. (Original) The resin molded article according to claim 3, wherein said three-dimensional structure has a bulk density of 0.001 to 0.08 g/cm³.

20. (Original) The resin molded article according to claim 4, wherein said three-dimensional structure has a bulk density of 0.001 to 0.08 g/cm³.
21. (Original) The resin molded article according to claim 5, wherein said three-dimensional structure has a bulk density of 0.001 to 0.08 g/cm³.
22. (Original) The resin molded article according to claim 1, wherein said three-dimensional structure has a bulk density of 0.02 to 0.06g/cm³.
23. (Original) The resin molded article according to claim 2, wherein said three-dimensional structure has a bulk density of 0.02 to 0.06 g/cm³.
24. (Original) The resin molded article according to claim 3, wherein said three-dimensional structure has a bulk density of 0.02 to 0.06 g/cm³.
25. (Original) The resin molded article according to any one of claim 4, wherein said three-dimensional structure has a bulk density of 0.02 to 0.06 g/cm³.
26. (Original) The resin molded article according to claim 5, wherein said three-dimensional structure has a bulk density of 0.02 to 0.06 g/cm³.
27. (Original) The resin molded article according to claim 1, wherein said three-dimensional structure is a cushion material for seats of an automotive vehicle or a bed.

28. (Original) The resin molded article according to claim 2, wherein said three-dimensional structure is a cushion material for seats of an automotive vehicle or a bed.
29. (Original) The resin molded article according to claim 3, wherein said three-dimensional structure is a cushion material for seats of an automotive vehicle or a bed.
30. (Original) The resin molded article according to claim 4, wherein said three-dimensional structure is a cushion material for seats of an automotive vehicle or a bed.
31. (Original) The resin molded article according to claim 5, wherein said three-dimensional structure is a cushion material for seats of an automotive vehicle or a bed.
32. (Original) The resin molded article according to claim 6, wherein said three-dimensional structure is a cushion material for seats of an automotive vehicle or a bed.
33. (Cancelled)
34. (Original) The resin molded article according to claim 1, wherein said three-dimensional structure has a bulk density of 0.005 to 0.03 g/cm³ at low density portions, and a bulk density of 0.03 to 0.08 g/cm³ at high density portions.
35. (Original) The resin molded article according to claim 2, wherein said three-dimensional structure has a bulk density of 0.005 to 0.03 g/cm³ at low density portions, and a bulk density of 0.03 to 0.08g/cm³ at high density portions.

36. (Original) The resin molded article according to claim 3, wherein said three-dimensional structure has a bulk density of 0.005 to 0.03 g/cm³ at low density portions, and a bulk density of 0.03 to 0.08 g/cm³ at high density portions.

37 (Original) The resin molded article according to claim 4, wherein said three-dimensional structure has a bulk density of 0.005 to 0.03 g/cm³ at low density portions, and a bulk density of 0.03 to 0.08 g/cm³ at high density portions.

38. (Original) The resin molded article according to claim 5, wherein said three-dimensional structure has a bulk density of 0.005 to 0.03 g/cm³ at low density portions, and a bulk density of 0.03 to 0.08 g/cm³ at high density portions.

39. (Original) The resin molded article according to claim 1, wherein said three-dimensional structure has a bulk density of 0.008 to 0.03 g/cm³ at low density portions, and a bulk density of 0.04 to 0.07 g/cm³ at high density portions.

40. (Original) The resin molded article according to claim 2, wherein said three-dimensional structure has a bulk density of 0.008 to 0.03 g/cm³ at low density portions, and a bulk density of 0.04 to 0.07 g/cm³ at high density portions.

41. (Original) The resin molded article according to claim 3, wherein said three-dimensional structure has a bulk density of 0.008 to 0.03 g/cm³ at low density portions, and a bulk density of 0.04 to 0.07 g/cm³ at high density portions.

42. (Original) The resin molded article according to claim 4, wherein said three-dimensional structure has a bulk density of 0.008 to 0.03 g/cm³ at low density portions, and a bulk density of 0.04 to 0.07 g/cm³ at high density portions.

43. (Original) The resin molded article according to claim 5, wherein said three-dimensional structure has a bulk density of 0.008 to 0.03 g/cm³ at low density portions, and a bulk density of 0.04 to 0.07 g/cm³ at high density portions.

44. (Original) The resin molded article according to claim 1, wherein said three-dimensional structure has a bulk density of 0.01 to 0.03 g/cm³ at low density portions, and a bulk density of 0.05 to 0.06 g/cm³ at high density portions.

45. (Original) The resin molded article according to claim 2, wherein said three-dimensional structure has a bulk density of 0.01 to 0.003 g/cm³ at low density portions, and a bulk density of 0.05 to 0.06 g/cm³ at high density portions.

46. (Original) The resin molded article according to claim 3, wherein said three-dimensional structure has a bulk density of 0.01 to 0.03 g/cm³ at low density portions, and a bulk density of 0.05 to 0.06 g/cm³ at high density portions.

47. (Original) The resin molded article according to claim 4, wherein said hollow filaments are covered with solid filaments three-dimensional structure has a bulk density of 0.01 to 0.03 g/cm³ at low density portions, and a bulk density of 0.05 to 0.06 g/cm³ at high density portions.

48. (Original) The resin molded article according to claim 5, wherein said three-dimensional structure has a bulk density of 0.01 to 0.03 g/cm³ at low density portions, and a bulk density of 0.05 to 0.06 g/cm³ at high density portions.

49. (Previously Presented) The resin molded article according to claim 3, wherein said three-dimensional structure has a void ratio of 96 to 99 % at said low density portions, and a void ratio of 91 to 97 % at said high density portions.

50. (Previously Presented) The resin molded article according to claim 3, wherein said three-dimensional structure has a void ratio of 97 to 99 % at said low density portions and a void ratio of preferably 92 to 96 % at said high density portions.

51. (Previously Presented) The resin molded article according to claim 3, wherein said three-dimensional structure has a void ratio of 97 to 98 % at said low density portions, and a void ratio of 93 to 94 % at said high density portions.

52. (Original) The resin molded article according to claim 1, wherein a mixture ratio of solid filaments to hollow filaments is 0 to 50 to 50 to 100.

53. (Original) The resin molded article according to claim 2, wherein a mixture ratio of solid filaments to hollow filaments is 0 to 50 to 50 to 100.

54. (Original) The resin molded article according to claim 3, wherein a mixture ratio of solid filaments to hollow filaments is 0 to 50 to 50 to 100.

55. (Original) The resin molded article according to claim 4, wherein a mixture ratio of solid filaments to hollow filaments is 0 to 50 to 50 to 100.

56. (Original) The resin molded article according to claim 5, wherein a mixture ratio of solid filaments to hollow filaments is 0 to 50 to 50 to 100.

57. (Original) The resin molded article according to claim 1, wherein outer surfaces of said hollow filaments are covered with solid filaments.

58. (Original) The resin molded article according to claim 2, wherein outer surfaces of said hollow filaments are covered with solid filaments.

59. (Original) The resin molded article according to claim 3, wherein outer surfaces of said hollow filaments are covered with solid filaments.

60. (Original) The resin molded article according to claim 4, wherein outer surfaces of said hollow filaments are covered with solid filaments.

61. (Original) The resin molded article according to claim 5, wherein outer surfaces of said hollow filaments are covered with solid filaments.

62. (Currently Amended) The resin molded article according to claim 1, wherein a ~~take-off speed for taking off the extruded continuous filaments is changed to thereby form high density portions having an increased bulk density which each extend in a direction of width of said three dimensional structure and are arranged at appropriate space intervals in a direction of length of said three dimensional structure~~ high density

portions having an increased bulk density which each extend in a direction of width of said three-dimensional structure and are arranged at appropriate space intervals in a direction of length of said three-dimensional structure are formed by changing a take-off speed for taking off the extruded continuous filaments.